

We claim:

1. An apparatus for cleaning an oxygen converter comprising a pressure tank with a first valved line that is adapted to variably connect said pressure tank to an oxygen converter; and a vacuum tank with a second valved line that is adapted to variably connect said vacuum tank to said oxygen converter.  
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2. The apparatus of Claim 1, further comprising a solution tank with a third valved line that is adapted to variably connect said solution tank to said pressure tank.
3. The apparatus of Claim 2, further comprising a surfactant proportioner with a fourth valved line that is adapted to variable connect said surfactant proportioner to said solution tank.  
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4. The apparatus of Claim 3, further comprising a surfactant tank with a fifth valved line that is adapted to variable connect said surfactant tank to said surfactant proportioner.
5. The apparatus of Claim 4, further comprising a solvent proportioner with a sixth valved line that is adapted to variably connect said solvent proportioner to said surfactant proportioner.  
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6. The apparatus of Claim 5, further comprising a solvent tank with a seventh valved line that is adapted to variably connect said solvent tank to said solvent proportioner.

7. The apparatus of Claim 6, further comprising an eighth valved line that is adapted to variably connect said solvent tank to said oxygen converter.
8. The apparatus of Claim 7, further comprising a particle counter with a ninth valved line that is adapted to variably connect said particle counter to said oxygen converter.
- 5 9. The apparatus of Claim 8, further comprising a halide detector with a tenth valved line that is adapted to variably connect said halide detector to said oxygen converter.
10. The apparatus of Claim 9, further comprising a vent with an eleventh valved line that is adapted to variably connect said vent to said oxygen converter.
11. The apparatus of Claim 10, further comprising a dry air source with a twelfth valved line that is adapted to variably connect said dry air source to said oxygen converter.
- 10 12. The apparatus of Claim 11, further comprising a vacuum pump with a thirteenth valved line that is adapted to variably connect said vacuum pump to said vacuum tank.
13. The apparatus of Claim 12, further comprising a fourteenth valved line that is adapted to variable connect said vacuum pump to said oxygen converter.
- 15 14. The apparatus of Claim 13, further comprising a distillation tank with a fifteenth valved line that is adapted to variably connect said distillation tank to said particle counter, and a sixteenth valved line that is adapted to variably connect said distillation tank to said oxygen converter.

15. The apparatus of Claim 14, further comprising a condenser with a seventeenth valved line that is adapted to variably connect said condenser to said distillation tank, and a first non-valved line that is adapted to connect said condenser to said solvent tank.

16. The apparatus of Claim 15, further comprising a second non-valved line that is adapted to connect said solvent tank to said solvent proportioner.

17. The apparatus of Claim 16, further comprising an eighteenth valved line that is adapted to variably connect said surfactant tank to said surfactant proportioner.

18. The apparatus of Claim 1, wherein said pressure tank is provided with a pressure tank heater that is adapted to selectively heat the contents of said pressure tank.

19. An apparatus for cleaning an oxygen converter comprising a pressure tank with a first valved line that is adapted to variably connect said pressure tank to an oxygen converter; and a vacuum tank with a second valved line that is adapted to variably connect said vacuum tank to said oxygen converter, and a solution tank with a third valved line that is adapted to variably connect said solution tank to said pressure tank, and a surfactant proportioner with a fourth valved line that is adapted to variable connect said surfactant proportioner to said solution tank, and a surfactant tank with a fifth valved line that is adapted to variable connect said surfactant tank to said surfactant proportioner, and a solvent proportioner with a sixth valved line that is adapted to variably connect said solvent proportioner to said surfactant proportioner, and a solvent tank with a seventh valved line that is adapted to variably connect said solvent tank to said solvent proportioner, and an eighth valved line that is adapted to variably connect said solvent tank to said oxygen converter, and a particle counter with

a ninth valved line that is adapted to variably connect said particle counter to said oxygen converter, and a halide detector with a tenth valved line that is adapted to variably connect said halide detector to said oxygen converter.

20. An apparatus for cleaning an oxygen converter comprising a pressure tank with a first  
5 valved line that is adapted to variably connect said pressure tank to an oxygen  
converter; and a vacuum tank with a second valved line that is adapted to variably  
connect said vacuum tank to said oxygen converter, and a solution tank with a third  
valved line that is adapted to variably connect said solution tank to said pressure tank,  
and a surfactant proportioner with a fourth valved line that is adapted to variable  
10 connect said surfactant proportioner to said solution tank, and a surfactant tank with a  
fifth valved line that is adapted to variable connect said surfactant tank to said surfactant  
proportioner, and a solvent proportioner with a sixth valved line that is adapted to  
variably connect said solvent proportioner to said surfactant proportioner, and a solvent  
tank with a seventh valved line that is adapted to variably connect said solvent tank to  
15 said solvent proportioner, and an eighth valved line that is adapted to variably connect  
said solvent tank to said oxygen converter, and a particle counter with a ninth valved  
line that is adapted to variably connect said particle counter to said oxygen converter,  
and a halide detector with a tenth valved line that is adapted to variably connect said  
halide detector to said oxygen converter, and a vent with an eleventh valved line that  
20 is adapted to variably connect said vent to said oxygen converter, and a dry air source  
with a twelfth valved line that is adapted to variably connect said dry air source to said  
oxygen converter, and a vacuum pump with a thirteenth valved line that is adapted to  
variably connect said vacuum pump to said vacuum tank, and a fourteenth valved line  
that is adapted to variable connect said vacuum pump to said oxygen converter, and a  
25 distillation tank with a fifteenth valved line that is adapted to variably connect said

distillation tank to said particle counter, and a sixteenth valved line that is adapted to variably connect said distillation tank to said oxygen converter, and a condenser with a seventeenth valved line that is adapted to variably connect said condenser to said distillation tank, and a first non-valved line that is adapted to connect said condenser to said solvent tank.

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